

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YI LUO	08/21/2017
	YI WANG	08/21/2017
	KE XU	08/21/2017
RECEIVING PARTY DATA		
Name:	TUSIMPLE	
Street Address:	9191 TOWNE CENTRE DRIVE, SUITE 600	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92122	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15684363	
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	949 387 2885	
Email:	inbox@wpatca.com	
Correspondent Name:	WPAT, PC INTELLECTUAL PROPERTY ATTORNEYS	
Address Line 1:	2301 DUPONT DR. SUITE 510	
Address Line 4:	IRVINE, CALIFORNIA 92612	
ATTORNEY DOCKET NUMBER:	34917-0041US	
NAME OF SUBMITTER:	ANTHONY KING	
SIGNATURE:	/Anthony King/	
DATE SIGNED:	08/23/2017	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I(we), **YI LUO, YI WANG, KE XU**, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful invention entitled
**3D SUBMAP RECONSTRUCTION SYSTEM AND METHOD FOR CENTIMETER PRECISION
 LOCALIZATION USING CAMERA-BASED SUBMAP AND LIDAR-BASED GLOBAL MAP**

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent /Utility Patent is executed on even date herewith unless at least one of the following is checked:

☐ United States Design Patent

was

☐ executed on:

☐ filed on: _____ Serial No.: _____

☐ established by PCT International Patent Application No.: _____ filed: _____ designating the
 United States of America

☐ issued on _____ as U.S. Patent No.: _____

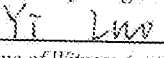
WHEREAS **TUSIMPLE** whose post office address is **9191 Towne Centre Drive, Suite 600, San Diego, CA 92122** hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States, its territorial possessions, and around the world;

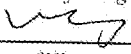
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the world, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

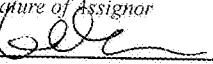
ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment;

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States and around the world for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance, litigation and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Assignor Name YI LUO	Address 9191 Towne Centre Dr. STE 600, San Diego, 92122
Signature of Assignor 	Date of Signature 8/21/2017
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

Assignor Name YI WANG	Address 9191 Towne Centre Dr. STE 600, San Diego, 92122
Signature of Assignor 	Date of Signature 8/21/2017
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

Assignor Name KE XU	Address 9191 Towne Centre Dr. STE 600, San Diego, 92122
Signature of Assignor 	Date of Signature 8/21/2017
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)